

Page 19, replace the ABSTRACT OF THE DISCLOSURE with the following amended ABSTRACT OF THE DISCLOSURE. A new, separate page 19 including the ABSTRACT OF THE DISCLOSURE is enclosed.

ABSTRACT OF THE DISCLOSURE

A high temperature superconducting cable includes a tubular support and a plurality of superconducting tapes. The superconducting tapes ~~include a superconducting material enclosed in a metal covering[[],]~~ are spirally wound onto the tubular support to form at least an electroinsulated, thermally-insulated, and ~~refrigerated~~ refrigeratable superconducting layer. ~~The superconducting tapes include a superconducting material enclosed in a metal covering.~~ The superconducting tapes also include at least [[a]] one metal strip coupled to the metal covering. A process for manufacturing high temperature superconducting cables is also disclosed.